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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented)   A computing system comprising:

a user interface configured to collect multiple data entries from a corresponding user device;

an object model controller configured to associate, at runtime, the multiple data entries with an object belonging to a model class, and to prevent the object from being modified by another user interface;

business logic configured to process objects belonging to the model class; and

an intermediate layer interposed between the user interface and object model controller, and the business logic;

wherein the object model controller is configured to provide the object with which the multiple data entries are associated to the intermediate layer, and wherein the intermediate layer is configured to rearrange data in the object into a format that is optimized for processing by the business logic and provide the object whose data has been rearranged to the business logic for processing.

2. (Previously Presented) The computing system of claim 1 wherein the computing system is configured to conduct a data flow between the user interface and the business logic through the intermediate layer.

3. (Previously Presented) The computing system of claim 2 wherein the data flow is initiated by one or more actions of the user interface, wherein the one or more actions comprise any one of an opening of a user interface and an entering of data in the user interface.

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4. (Previously Presented) The computing system of claim 1 wherein the intermediate layer is further configured to optimize the arrangement of data for the business logic, wherein the rearrangement of data collected by the user interface comprises data collection from the user interface and translating the collected data for the business logic.

5. (Previously Presented) The computing system of claim 1 wherein the intermediate layer is configured to provide a buffering of data flow between the user interface and the business logic, wherein the buffering of data flow enables the system to perform batch processing of a plurality of business processes.

6. (Previously Presented) The computing system of claim 1 wherein the business logic comprises a general business logic layer for common business functions and applications, wherein the intermediate layer is further configured to format the data for use in the general business logic layer.

7. (Currently Amended) The computing system of claim 1 wherein the intermediate layer is configured to perform one or more operations on one or more objects to reduce a number of business processes performed by the business logic, wherein the one or more operations on the one or more objects comprise collecting and formatting one or more classes of objects.

8. (Canceled)

9. (Previously Presented) The computing system of claim 1 wherein the object model controller is configured to send data requests to the intermediate layer, wherein the data requests comprise any one of a read data request, a modify data request, and an insert data request, and wherein the object model controller further comprises an object-oriented interface.

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10. (Previously Presented) The computing system of claim 1 further comprising a database configured to receive data from the business logic and send data to the business logic, and wherein the system is configured to send business logic data to the user interface through the intermediate layer.

11. (Previously Presented) A computer-implemented method comprising:

receiving multiple data entries in a user interface;

in an object model controller, associating, at runtime, the multiple data entries with an object belonging to a model class, and preventing the object from being modified by another user interface;

passing the object to an intermediate layer, the intermediate layer being configured to interact with the user interface, the object model controller and a layer of business logic;

performing one or more operations on data in the object passed to the intermediate layer;

sending one or both of data and instructions from the intermediate layer to the layer of business logic;

processing one or both of the data and instructions in the layer of business logic; and

sending one or both of processed data and processed instructions from the layer of business logic to the user interface.

12. (Previously Presented) The computer-implemented method of claim 11, wherein the sending of one or both of processed data and processed instructions comprises passing the one or both of processed data and processed instructions through the intermediate layer.

13. (Canceled)

14. (Canceled)

15. (Previously Presented) The computer-implemented method of claim11 wherein the intermediate layer is configured to perform the following operations: receiving an instruction from the object model controller; performing one or more operations relating to the received instruction; and issuing one or more instructions to the layer of business logic.

16. (Previously Presented) The computer-implemented method of claim 15 wherein the intermediate layer determines whether the received instruction from the object model controller comprises any one of a known object, an unknown object, or a modification of a known object.

17. (Previously Presented) The computer-implemented method of claim 16 wherein, in response to the received instruction from the object model controller, the intermediate layer is further configured to perform any of the following operations: instructing the layer of business logic to approve previous instructions and data entries; instructing the layer of business logic to save data in a database; and initializing a framework to enable a user to perform data entry in the user interface.

18. (Previously Presented) The computer-implemented method of claim 11 further comprising:
    sending the data from the layer of business logic to a database; and
    saving the data in the database upon receiving the data from the layer of business logic.

19. (Previously Presented) The computer-implemented method of claim 11 wherein the intermediate layer is configured to optimize one or more processes in the layer of business logic, and wherein the intermediate layer enables batch processing of data entered in the user interface.

20. (Previously Presented) The computer-implemented method of claim 11 wherein the intermediate layer maintains data entries and modifications among various object classes, and wherein the layer of business logic comprises common business functions and applications.

21. (Previously Presented) The computer-implemented method of claim 11 wherein a data flow between the user interface and the layer of business logic is initiated by one or more actions of the user interface, wherein the one or more actions of the user interface comprise any one of an opening of the user interface and a data entry in the user interface.

22. (Currently Amended) An article comprising a machine-readable storage medium that stores instructions ~~operable to~~ that, when executed, cause a machine to perform operations comprising:

receiving multiple data entries in a user interface;

in an object model controller, associating, at runtime, the multiple data entries with an object belonging to a model class, and preventing the object from being modified by another user interface;

passing the object to an intermediate layer, the intermediate layer being configured to interact with the user interface, the object model controller and a layer of business logic;

performing one or more operations on data in the object passed to the intermediate layer;

sending one or both of data and instructions from the intermediate layer to the layer of business logic;

processing one or both of the data and instructions in the layer of business logic; and

sending one or both of processed data and processed instructions from the layer of business logic to the user interface, wherein the sending of one or both of processed data and processed instructions comprises passing the one or both of processed data and processed instructions through the intermediate layer.

23. (Previously Presented) A computing system comprising:

a network of computers, wherein the network of computers comprises a database and at least one user interface that is configured to collect multiple data entries from a corresponding computer in the network of computers;

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an object model controller configured to associate, at runtime, the multiple data entries with an object belonging to a model class, and to prevent the object from being modified by another user interface;

a plurality of business logic configured to perform a plurality of business functions and applications; and

an intermediate layer interacting with the at least one user interface, the object model controller and the plurality of business logic;

wherein the object model controller is configured to provide the object with which the multiple data entries are associated to the intermediate layer, wherein the intermediate layer is configured to format and rearrange data in the object to optimize the processing of data in the plurality of business logic, wherein a data flow between the at least one user interface and the plurality of business logic is conducted through the intermediate layer, wherein the plurality of business logic is further configured to process data in the object, and wherein the plurality of business logic interacts with the database .

24. (New) A computing system comprising:

a user interface configured to collect multiple data entries from a corresponding user device;

an object model controller configured to associate, at runtime, the multiple data entries with two or more data objects belonging to two or more corresponding model classes, and to prevent the two or more data objects from being modified by another user interface;

business logic configured to process data objects belonging to the two or more corresponding model class classes; and

an intermediate layer interposed between the user interface and object model controller, and the business logic;

wherein the object model controller is configured to provide the two or more data objects with which the multiple data entries are associated to the intermediate layer, and wherein the intermediate layer is configured to buffer data that is collected from the user interface and

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associated with the two or more data objects, rearrange data in the two or more corresponding data objects into a format that is optimized to be processed by the business logic, and provide the two or more data objects whose data has been rearranged to the business logic for batch processing.

25.   (New) The computing system of claim 24, wherein the intermediate layer is further configured to request additional data from the user interface to associate with at least one of the two or more data objects following collection of the multiple data entries and association of the multiple data entries with the two or more data objects but prior to provision of the two or more data objects to the business logic for processing.